IN3252HR
Two Output RGBHV Distribution Amplifier

FEATURES

- **Input: One set of female BNC connectors**
- **Outputs: Two sets of female BNC connectors plus one set for passive input loop-through**
- **400 MHz (-3dB) video bandwidth, fully loaded**
- **Compatible with RGBHV, RGBS, RGsB, RsGsBs, component, high resolution monochrome video, S-video, and composite video signals**
- **Gain and peaking/sharpness adjustments**
- **Video loop-through**
- **Durable, metal enclosure**
- **Surface mountable using optional L-brackets,** part # 70-490-01
- **External universal power supply included**, part # 70-055-01

DESCRIPTION

The Extron **IN3252HR** is a high performance RGBHV distribution amplifier. This DA includes one input and two outputs on BNC connectors. A video loop-through output on five BNC connectors provides a passive loop-through signal. This enables the ability to loop through to additional amplifiers to create a larger DA system or to drive a local monitor.

The IN3252HR features individual gain controls for red, green, and blue, which allows for gray scale adjustment and boosts the signal to compensate for the losses in level caused by lengthy cable runs. Proper gain control adjustment can improve image contrast. A single RGB peaking/sharpness adjustment compensates for high frequency loss.

The IN3252HR offers flexible video distribution/line driving capabilities to suit a wide variety of applications including boardrooms, training facilities, home theater, command and control centers, and rental and staging environments. The IN3252HR is housed in a compact and durable metal enclosure, and is surface-mountable using optional L-brackets, part # 70-490-01.

VIDEO OUTPUT

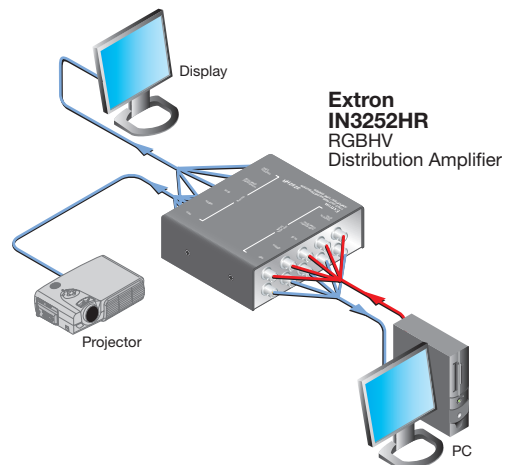|	
Number / Signal type	2 RGBHV, RGBS, RGsB, RGBcvS, HDTV component video, S-video, composite video (follows input type)
Connectors	2 x 5 BNC female
Nominal level	1.0 Vp-p for Y of component video and S-video, and for composite video
	0.7 Vp-p for RGB and for R-Y and B-Y of component video
	0.3 Vp-p for C of S-video
Minimum / Maximum levels	0.3 Vp-p to 1.5 Vp-p (follows input)
Impedance	75 ohms
Return loss	<-40 dB @ 5 MHz
DC offset	±100 mV with input at 0 offset

SYNC

Input type	RGBHV, RGBS, RGsB, RsGsBs, bi-level and tri-level sync
Output type	RGBHV, RGBS, RGsB, RsGsBs, bi-level and tri-level sync
Input level	2.0 V to 5.0 Vp-p
Output level	TTL: 5.0 Vp-p, unterminated
Input impedance	510 ohms
Output impedance	50 ohms
Max. propagation delay	40 ns
Max. Rise / Fall time	9 ns
Polarity	Positive or negative (follows input)

GENERAL

External power supply	100 VAC to 240 VAC, 50/60 Hz, external, universal; to 9 VDC, 1 A, regulated
Power input requirements	9 VDC, 0.2 A
Temperature / Humidity	Storage -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing
	Operating +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Rack mount	No, but furniture mountable with optional brackets, part #70-490-01
Enclosure type	Metal
Enclosure dimensions	1.6" H x 5.25" W x 4.4" D
	4.1 cm H x 13.3 cm W x 11.2 cm D
	(Depth excludes connectors.)
Product / Shipping weight	1.0 lbs (0.5 kg) / 3 lbs (2 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Listings / Compliances	UL, CUL / CE, FCC Class A, VCCI, AS/NZS, ICES
MTBF	30,000 hours
Warranty	3 years parts and labor

NOTE: All nominal levels are at ±10%. Specifications are subject to change without notice.

SPECIFICATIONS

VIDEO

Gain	-3 dB to +3 dB (0.7 to 1.4), adjustable
Peaking	0 to +6 dB @ 100 MHz
Bandwidth	400 MHz (-3 dB)

VIDEO INPUT AND LOOP-THROUGH

Number / Signal type	1 RGBHV, RGBS, RGsB, RsGsBs, HDTV component video, S-video, composite video input
	1 RGBHV, RGBS, RGsB, RsGsBs, HDTV component video, S-video, composite video passive loop-through
Connectors	2 x 5 female BNC
Nominal level	1.0 Vp-p for Y of component video and S-video, and for composite video
	0.7 Vp-p for RGB and for R-Y and B-Y of component video
	0.3 Vp-p for C of S-video
Minimum / Maximum levels	Analog: 0.3 V to 1.5 Vp-p with no offset at unity gain
Impedance	75 ohms (default) or Hi-Z (selectable)
Return loss	<-40 dB @ 5 MHz
Input coupling	AC/DC, jumper selectable

Extron IN3252HR RGBHV Distribution Amplifier

MODEL	VERSION DESCRIPTION		PART #
IN3252HR	1x2 RGBHV		60-681-01

OPTIONAL ACCESSORIES	MODEL DESCRIPTION	PAGE	PART #
IN9128	Mounting Brackets for IN3252HR	page 816	70-490-01

Europe	Dubai	Asia	China	Japan
+31.33.453.4040 / +800.3987.6673	+971.4.2991800	+65.6383.4400 / +800.7339.8766	+86.21.3760.1568 / +400.883.1568	+81.3.3511.7655
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541

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